

COMMUNICATIONS

PART OF THE SERIUS OBJECT LIBRARY, RELEASE 3.0



*Create more powerful communications software than you ever thought possible.
Use Serius objects to build in true Macintosh interfaces.*

COMMUNICATIONS OBJECTS FOR USE IN SERIUS PROGRAMMER OR SERIUS DEVELOPER

With Serius Communications, you finally have the power to build custom communications software without learning complex programming or script languages.

Use the Serius Communications objects to build sophisticated service bureaus, bulletin boards and terminal emulation applications. Exchange files and other information with remote computers. Communicate with external devices such as DATs and video machines.

Together with other objects, Serius Communications enables you to create attractive and easy-to-understand interfaces to corporate or remote data systems.

Serius Communications includes the Macintosh Communications installer for System 6 and Apple's

basic connectivity set (modem, serial, and ADSP connection tools; TTY and VT 102 terminal tools; Text and XMODEM file transfer tools). It comes with software, on-line help, worksheet examples, and a user's manual. A generous object update plan is included in the purchase of the package.

EASY TO USE

Serius Communications consists of three plug-in objects for use in Serius Programmer and Serius Developer. Just drag the objects into the Objects Folder and you are ready to create powerful communications software, quickly and simply without any complicated syntax or scripting commands to learn.

SERIUS OBJECTS

The Connection object allows your applications to include general serial, modem and network communications capabilities. It takes full advantage of the Macintosh Communications Toolbox.



Connection

The Terminal object allows your applications to emulate a variety of terminals, taking full advantage of the Macintosh Communications Toolbox.



Terminal

The File Transfer object allows your applications to include file transfer capabilities for sending and receiving files from other computers. It takes full advantage of the Macintosh Communications Toolbox.



File Transfer

FEATURES WITH SERIUS BENEFITS

- Build powerful communications applications quickly and easily.
- Design without learning any complicated script languages. Create communications software by drawing a diagram or typing in plain English instructions.
- Put true Macintosh interfaces on terminal and bulletin board programs.
- Asynchronous communication.
- Interrupt-level text transmission.
- Compatible with all other objects in the Serious Object Library.

SYSTEM REQUIREMENTS

- System 6.0.2 or later
- Mac Plus or later
- Hard disk
- 2 MB RAM

All Serious software products are completely System 7.0-compatible.

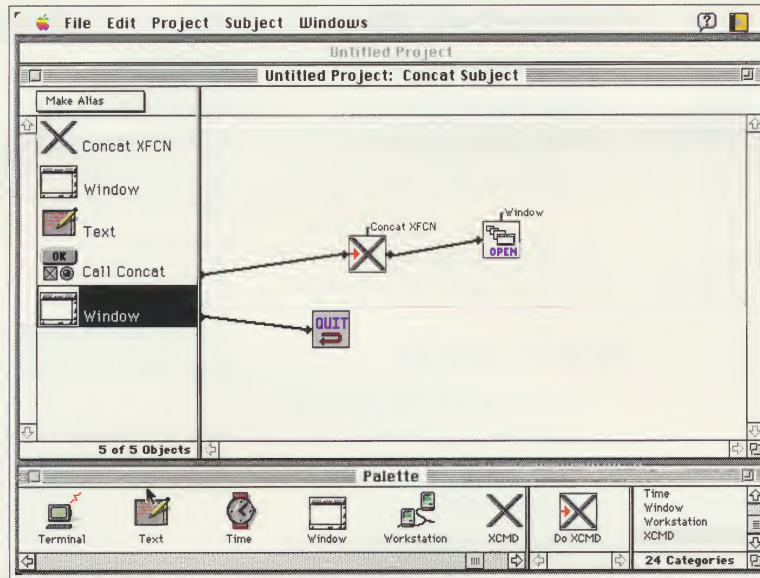
PRODUCT SUPPORT

- Unlimited, toll-free technical support
- Generous upgrade plan
- Product training
- Quarterly technical newsletter

FOR MORE INFORMATION, CONTACT:

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SERIOUS OBJECT

The XCMD object lets you take advantage of HyperCard XCMDs without being constrained by the limitations of HyperCard.



Simply draw a diagram or type simple English instructions to incorporate XCMDs and XFCNs into the software you build.

XCMD OBJECT FOR USE IN SERIOUS PROGRAMMER OR SERIOUS DEVELOPER

Serious XCMD gives you the power to incorporate most XCMDs and XFCNs into programs built in Serious Programmer and Serious Developer. Serious XCMD supports most of HyperCard's callback routines. It is the most extensive third-party XCMD system available and supports the original HyperCard XCMD format, as well as the Extended XCMD interface for HyperCard 2.0 XCMDs.

Serious XCMD includes software, on-line help, worksheet examples, and a user's manual. A generous object update plan is included in the purchase of the package.

FEATURES WITH SERIOUS BENEFITS

- Use HyperCard XCMDs quickly and easily in any program built using Serious Programmer or Serious Developer.
- Design without learning any scripting or language commands. Create software by simply drawing a diagram or typing in plain English instructions.
- Pass and retrieve information from your XCMDs and XFCNs by connecting text, number, date and time objects as parameters, function results, and global variables. XCMDs and XFCNs work just as they do in HyperCard.
- Compatible with all other objects in the Serious Object Library.

EASY TO USE

Serius XCMD consists of one plug-in object for use with Serius Programmer and Serius Developer. Just drag the object into your Objects Folder and you are ready to create software with XCMDs, quickly and simply without learning any complicated syntax or scripting command.

SYSTEM REQUIREMENTS

- XCMD dependent
- Mac Plus or later
- Hard disk
- 2 MB RAM

All Serius software products are completely System 7.0-compatible.

PRODUCT SUPPORT

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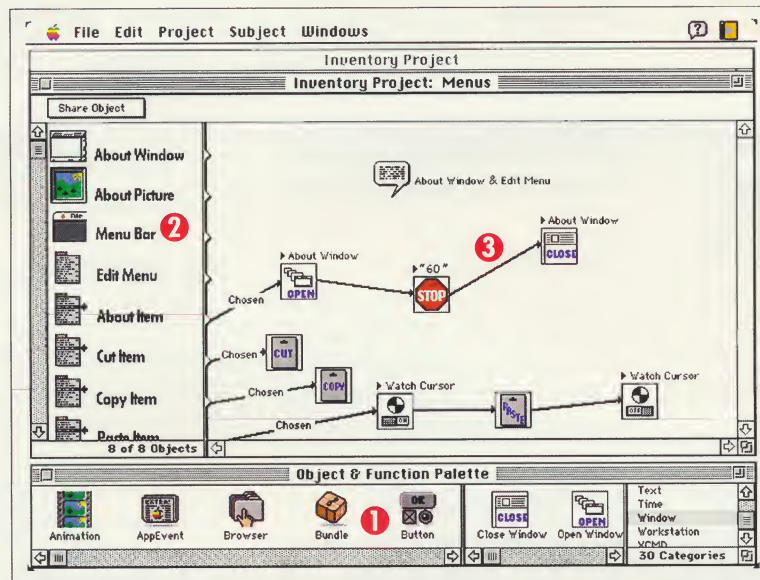
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DESKTOP PROGRAMMING

APPLICATION BUILDERS FOR THE NON-PROGRAMMER



Function icons are concatenated to represent sequences of high-level operations.

SERIOUS PROGRAMMER

Serious Programmer is an object-oriented software application builder for the Apple Macintosh. It enables power users as well as developers to build compiled, stand-alone software applications through the use of pre-fabricated, modular parts—high-level objects and functions—that can be configured and combined in virtually unlimited combinations.

Create powerful stand-alone software applications in a matter of days or weeks rather than months or years. Applications built in Serious Programmer are also easier to maintain and upgrade than conventionally developed applications. The result is an enormous savings in the time and money usually involved in software production and maintenance.

SERIOUS DEVELOPER

Serious Developer offers all of the easy-to-use software development features of Serious Programmer, and adds the ability to design custom

objects using any of several lower-level development tools, including THINK C, THINK Pascal, or any of the MPW environments.

SERIOUS OBJECT LIBRARY

Serious Programmer and Serious Developer include the Serious Essentials, a core set of objects and functions supporting all aspects of the Macintosh application interface, such as menus, lists, buttons, and windows. Also included is Serious Database, an object set for building relational, multi-user databases. Additional object bundles are available separately. These include Serious Multimedia, Serious Communications, Serious XCMD, and Serious InterApp. In total, the Serious Object Library is comprised of over 50 objects, ranging from comparatively simple items such as the Menu object to complete, compiled productivity tools, such as the Database, Animation, and Movie objects. New objects are introduced quarterly.

EASY TO USE

Building an application is as simple as designing a flow-chart. ObjecSketch, a visual approach to object programming, allows you to connect function icons representing steps in your program flow.

Designing an application can be as simple as 1-2-3.

- 1 Select and configure objects and functions.

Choose the objects you want in your program by dragging them from the Object & Function Palette onto your work space.

- 2 Double-click on each object to configure it further to your liking.

- 3 Connect objects to functions. Labels above and below function icons allow you to specify data inputs and outputs.

If you prefer to program in script, Serious' ObjecTalk scripting language lets you build programs using ordinary English without any coding or obscure scripting syntax to learn.

FEATURES WITH SERIUS BENEFITS

ObjecSketch

Icon-based programming in which users graphically connect objects and functions to show sequences of operations and data flow.

ObjecTalk

Script-based programming using "fuzzy logic" and command glossaries that facilitates the use of ordinary English. Users reference objects and functions through simple, natural language commands rather than through icons. Users may toggle between ObjecTalk and ObjecSketch at any time.

Subjects

User-definable groups of objects and functions, or "super objects," reusable in different applications, further reducing application development time. Subjects allow users to segment a project into individual programming tasks for workgroup software development.

Debugging

Full-featured debugging to aid in identifying mistakes in program logic. Automatically checks object types and notifies the user when required parameters are missing.

Low Overhead

Applications generated in Series Programmer and Series Developer are compiled, not interpreted, so they are small and efficient and involve a constant overhead of only 25K.

Low-level Extensibility

Enables programmers to create new objects for use in Series Programmer and Series Developer using lower-level languages such as C and Pascal (applies only to Series Developer).

REQUIREMENTS

- System 6.0.2 or later
- Mac Plus or better
- Hard disk
- 2.5 Mb RAM (partition size)

All Series software products are completely System 7.0-compatible.

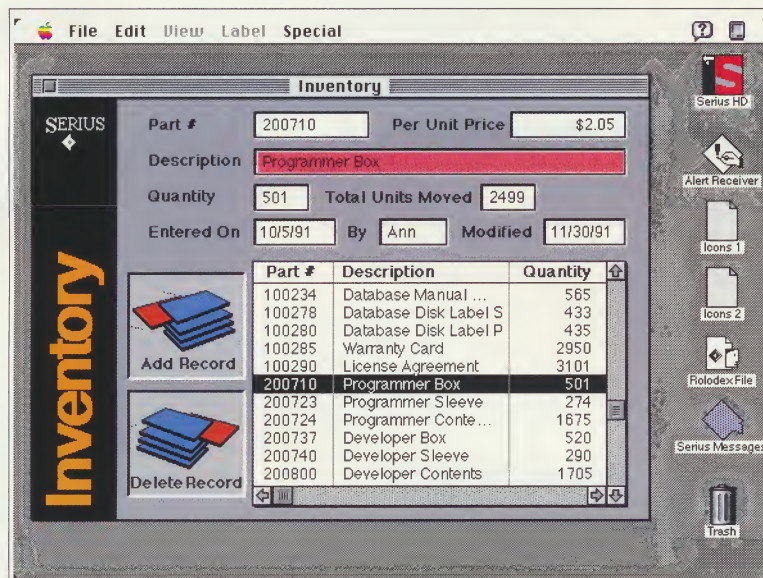
PRODUCT SUPPORT

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Serius Database lets you build fast multi-user, relational databases. A program can incorporate any number of databases, each with any number of records and up to 250 fields.

DATABASE OBJECTS FOR USE IN SERIUS PROGRAMMER OR SERIUS DEVELOPER

The Serius Database objects afford you a complete database system with tables, layouts, and a full set of field types to construct flat-file or relational, single or multi-user databases for customer tracking systems, account tracking, invoice management, EIS and MIS, inventory control — whatever your database needs may be.

Serius Database includes software, on-line help, worksheet examples, and a user's manual. A generous object update plan is included in the purchase of the package.

EASY TO USE

Serius Database consists of five plug-in objects for use in Serius Programmer or Serius Developer. Just drag the objects into the Objects Folder and you are ready to create powerful database software, quickly and simply without any complicated syntax or scripting commands to learn.

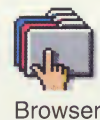
SYSTEM REQUIREMENTS

- System 6.0.2 or later
- Mac Plus or later
- Hard disk
- 2 MB RAM

All Serius software products are completely System 7.0-compatible.

SERIUS OBJECTS

The **Browser** object is a palette of buttons that allows you automatically to connect to a Serius database.



Browser

The **Import-Export** object provides ASCII file import and export.



Import-Export

The **Page Layout** object gives you report and label printing abilities.



Page Layout

The **Table** object provides multi-column, multi-style tabular display and printing.



Table

The **Database** object gives you the power to build complete flat or relational, single or multi-user database applications via a powerful database engine.



Database

FEATURES WITH SERIUS BENEFITS

- Build flat and relational database applications quickly.
- Design without learning any complicated script language. Create database software by simply drawing a diagram or typing in plain English instructions.
- Build layouts with multiple windows containing fields for pictures, buttons, lists, tables, text, numbers, dates, times and other objects.
- Import and export data files for mail merge or data exchange with spreadsheets and with other database systems.
- Supports virtually unlimited data types, enabling users to store entire animation sequences, sounds, movies, graphs, spreadsheets, and more.

- Up to 16 million records per file.
- 255 fields per record.
- Virtually unlimited characters per record.
- 32,767 characters per indexed field.
- Unlimited indexing.
- Unlimited relationality.
- Automatic international sorting.
- Compatible with all other objects in the Serious Object Library.

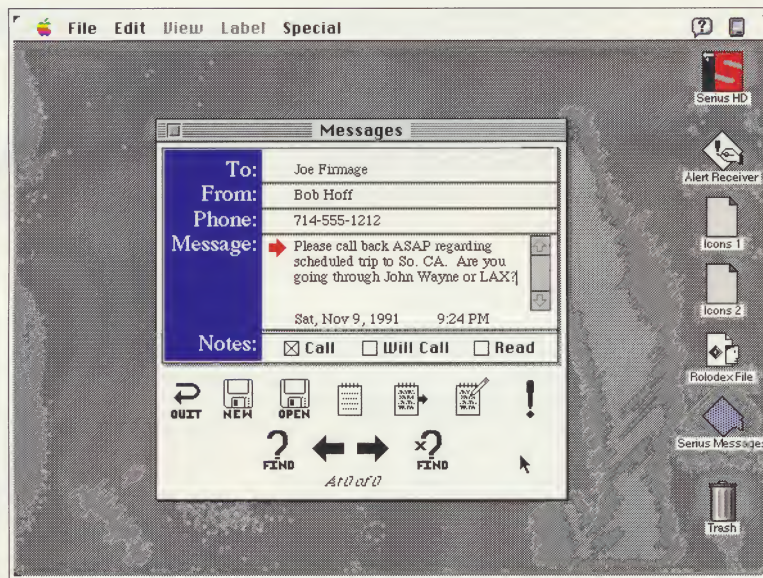
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Use the AppEvent and Workstation objects for creating sophisticated E-mail software, automating office messages, scheduling, and much more.

INTER-APPLICATION OBJECTS FOR USE IN SERIUS PROGRAMMER OR SERIUS DEVELOPER

Serius InterApp helps you build your own inter-application communication (IAC) software quickly and easily. With Serius InterApp, your Serius-built applications can communicate with and control other Macintosh applications supporting System 7.0 Apple Events.

Serius InterApp makes it simple to design customized software for E-mail, office automation, network administration, and application scripting and control. You can define your own Apple Events as well as subscribe to Apple Events defined by others. Create programs that send and receive Apple Events containing text, pictures, numbers, sounds, or any other type of data.

Serius InterApp includes software, on-line documentation, worksheet examples, and a user's

manual. A generous object update plan is included in the purchase of the package.

EASY TO USE

Serius InterApp consists of two plug-in objects for use in Serius Programmer and Serius Developer. Just drag the objects into the Objects Folder and you are ready to create powerful IAC software, quickly and simply without any complicated syntax or scripting commands to learn.

SYSTEM REQUIREMENTS

- System 6.0.2 or later for Workstation
- System 7.0 for AppEvent
- Mac Plus or later
- Hard disk
- 2 MB RAM

All Serius software products are completely System 7.0-compatible.

SERIUS OBJECTS

The AppEvent object allows Serius-built applications to work with other Macintosh applications that support System 7.0 Apple Events.



AppEvent

The Workstation object lets Serius applications send and receive objects across an AppleTalk network.



Workstation

FEATURES WITH SERIUS BENEFITS

- Build E-mail and other inter-application communication (IAC) software quickly and easily.
- Design without learning any complicated script languages. Create IAC software by drawing a diagram or typing in plain English instructions.
- Use System 7 Apple Events or the Workstation object to send pictures, text, tables, numbers, audio clips, files, or any other type of information between applications.
- Automate other software programs to launch, open files, print files, quit, and perform other application-specific tasks.

- Use AppEvent to script and automate your existing software applications.
- Supports AppleTalk Phase 2.
- Compatible with all other objects in the Serious Object Library.

PRODUCT SUPPORT

- Unlimited, toll-free technical support
- Generous upgrade plan
- Product training
- Quarterly technical newsletter

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